

AMENDMENTS TO THE CLAIMS:

Claims 1-8 (cancelled).

9. (Currently Amended) An optical arrangement with telecentric beam region for imaging objects, comprising:

at least one infinity-imaging objective;

at least one eyepiece; and

a tube lens of suitable focal length which is arranged between the two at a fixed distance from the objective,

at least one optical element for laterally splitting off at least a first partial beam path being provided in the space between the objective and the tube lens in which a telecentric beam path is located; and

a tube lens being located at a suitable distance from the objective in each of said first partial beam paths

wherein the tube lenses arranged in the first, second and third partial beam paths have the same focal length or different focal lengths.

10. (Previously Presented) The arrangement according to claim 9, wherein at least a second partial beam path is branched off from at least one of these first partial beam paths, and wherein a tube lens is located at a suitable distance from the objective in each of these second partial beam paths.

11. (Previously Presented) The arrangement according to claim 10, wherein at least a third partial beam path is branched off from at least one of these second partial beam paths, and wherein a tube lens is located at a suitable distance from the objective in each of these third partial beam paths.

12. (Cancelled)

13. (Previously Presented) The arrangement according to claim 9, wherein optical and/or physical beam splitter elements, are provided for branching the first, second and third partial beam paths, wherein these beam splitter elements are arranged in the space between the objective and the respective tube lens of the partial beam path to be branched.

14. (Previously Presented) The arrangement according to claim 9, wherein interchangeable devices or modules are provided which carry beam splitter elements and which are coupled with controllable drive units for the purpose of insertion into the respective partial beam path.

15. (Previously Presented) The arrangement according to claim 14, wherein the beam splitter elements are arranged in the interchangeable devices in an exchangeable manner.

16. (Previously Presented) The arrangement according to claim 9, wherein diaphragms and/or optical filters, particularly interference filters, color filters or polarizing filters, which serve to influence the optical characteristics of the light of the respective partial beam path are arranged in the first partial beam paths, second partial beam paths and/or third partial beam paths.

17. (Previously Presented) The arrangement according to claim 16, wherein the optical filters are interference filters, color filters or polarizing filters.

18. (New) An optical arrangement with telecentric beam region for imaging objects, comprising:
at least one infinity-imaging objective;
at least one eyepiece; and
a tube lens of suitable focal length which is arranged between the two at a fixed distance from the objective,

at least one optical element for laterally splitting off at least a first partial beam path being provided in the space between the objective and the tube lens in which a telecentric beam path is located; and

a tube lens being located at a suitable distance from the objective in each of said first partial beam paths

wherein the tube lenses arranged in the first, second and third partial beam paths have the same focal length or different focal lengths and interchangeable devices or modules are provided which carry beam splitter elements and which are coupled with controllable drive units for the purpose of insertion into the respective partial beam path.